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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

June 29, 2009

Mr. Cris D'Onofrio, OSC
U.S. Environmental Protection Agency
Response and Prevention Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0009-0209

DOCUMENT CONTROL NO: RST 2-02-F-1008

SUBJECT: HELLER HEAT TREATING SITE – DRAFT

**AIR MONITORING SUMMARY REPORT – APRIL 30, 2009 AND MAY 1,
2009**

Dear Mr. D'Onofrio:

Enclosed please find the draft Air Monitoring Summary Report for the Heller Heat Treating Site located at 5 Wellington Street, Clifton, Passaic County, New Jersey. If you have any questions, please do not hesitate to contact me at (732) 585-4415 or (908) 565-2980.

Sincerely,

Weston Solutions, Inc.

Andrea Richards for

Abbey States
Site Project Manager

Enclosure

cc: TDD File TO-0009-0209



DRAFT PARTICULATE AIR MONITORING SUMMARY REPORT

Site Name: Heller Heat Treating Site
DCN #: RST 2-02-F-1008
Site TDD No.: TO-0009-0209

Sampling Dates: April 30, 2009 and May 1, 2009

EPA ID No.: A213
CERCLIS ID No.: NJD002142412

1.0 Site Location: Heller Heat Treating Site
5 Wellington Street
Clifton, Passaic County, NJ

2.0 Air Monitoring Summary:

Thursday, April 30, 2009:

RST 2 conducted air monitoring around the perimeter of the Site using four AreaRAE units (Refer to Figure 1 in Attachment I for established monitoring locations). The AreaRAE units were programmed to record data and calculate the time-weighted average (TWA) every 5 seconds. The wind direction on April 30, 2009 was from the south at approximately 3 mph. Table 1 presents the range of data recorded for April 30, 2009. Attachment II contains the daily air monitoring graphs.

Table 1

AreaRAE No.	Monitoring Location	Log Period	Parameter	Concentration Range	TWA
Unit 1 (Serial No. 500001)	A	0823 – 1508 hours	Carbon Monoxide	0.0-1.7 ppm	0.1 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0 units	0.0 units
Unit 2 (Serial No. 500002)	B	0758 – 1443 hours	Carbon Monoxide	0.0-0.2 ppm	0.0 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0-0.1 units	0.0 units
Unit 3 (Serial No. 500003)	C	0744 – 1430 hours	Carbon Monoxide	0.0-0.9 ppm	0.0 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0 units	0.0 units
Unit 4 (Serial No. 500004)	D	0829 – 1514 hours	Carbon Monoxide	0.0-9.2 ppm	1.0 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0-0.1 units	0.0 units

Friday, May 1, 2009:

RST 2 conducted air monitoring around the perimeter of the Site using four AreaRAE units (Refer to Figure 1 in Attachment I for established monitoring locations). The AreaRAE units were programmed to record data and calculate the time-weighted average (TWA) every 5 seconds. The wind direction on May 1, 2009 was from the southwest at approximately 6 mph. Table 2 presents the range of data recorded for May 1, 2009. Attachment II contains the daily air monitoring graphs.

Table 2

AreaRAE No.	Monitoring Location	Log Period	Parameter	Concentration Range	TWA
Unit 1 (Serial No. 500001)	B	1122 – 1550 hours	Carbon Monoxide	0.0-3.5 ppm	0.6 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0-0.9 units	0.4 units
Unit 2 (Serial No. 500002)	A	1106 – 1533 hours	Carbon Monoxide	0.0-12.4 ppm	1.4 ppm
			Hydrogen Sulfide	0.0-0.1 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0 units	0.0 units
Unit 3 (Serial No. 500003)	D	1130 – 1536 hours	Carbon Monoxide	0.5-15.4 ppm	1.9 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0-1.3 units	0.5 units
Unit 4 (Serial No. 500004)	C	1137 – 1552 hours	Carbon Monoxide	0.0-75.9 ppm	3.6 ppm
			Hydrogen Sulfide	0.0 ppm	0.0 ppm
			Lower Explosive Limit	0.0 %	0.0 %
			Organic Vapors	0.0-7.3 units	0.0 units

The monitoring locations were selected based on air monitoring previously conducted by the United States Coast Guard, proximity to site activities, and discussions with the OSC. All target analyte TWAs logged using the AreaRAE units for April 30, 2009 and May 1, 2009 were below EPA Site-Specific Action Levels of 50 ppm Carbon Monoxide, 1.0 ppm Hydrogen Sulfide, 20 % Lower Explosive Limit, and 1.0 units Organic Vapors, with the exception of brief Carbon Monoxide spikes at Location C coinciding with forklift operations on May 1, 2009. Attachment III contains photographic documentation of the Site activities for April 30 and May 1, 2009.

Report Prepared By:

Sandra Richards for
Abbey States
RST 2 Site Project Manager

6/29/09
Date

Report Reviewed By:

Jennifer Sy
Jennifer Sy
RST 2 Readiness Coordinator

6/29/09
Date

ATTACHMENT I

Figure 1: Site Map with Air Monitoring Locations



Legend



Air Monitoring Locations



Weston Solutions, Inc.

In Association With
Avatar Environmental, LLC.,
Innovative Technical Solutions, Inc. and
Scientific and Environmental Associates, Inc.

Figure 1: Air Monitoring Locations

Heller Heat Treating
Clifton, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 04/07/2008

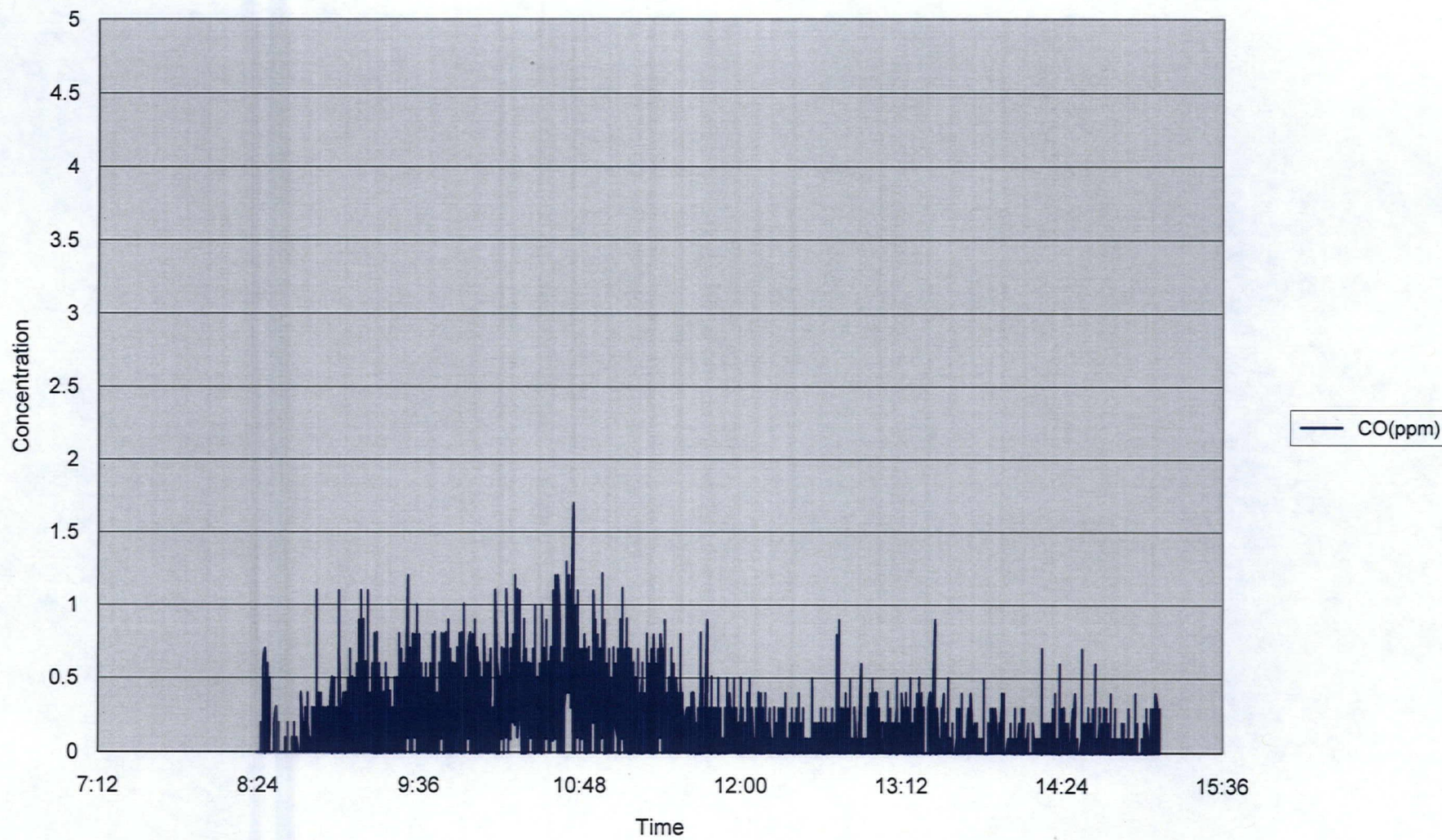
GIS ANALYST:	S. Richards
EPA OSC:	C. D'Onofrio
RST SPM:	A. States
FILENAME:	AirMonitoringLocations.mxd

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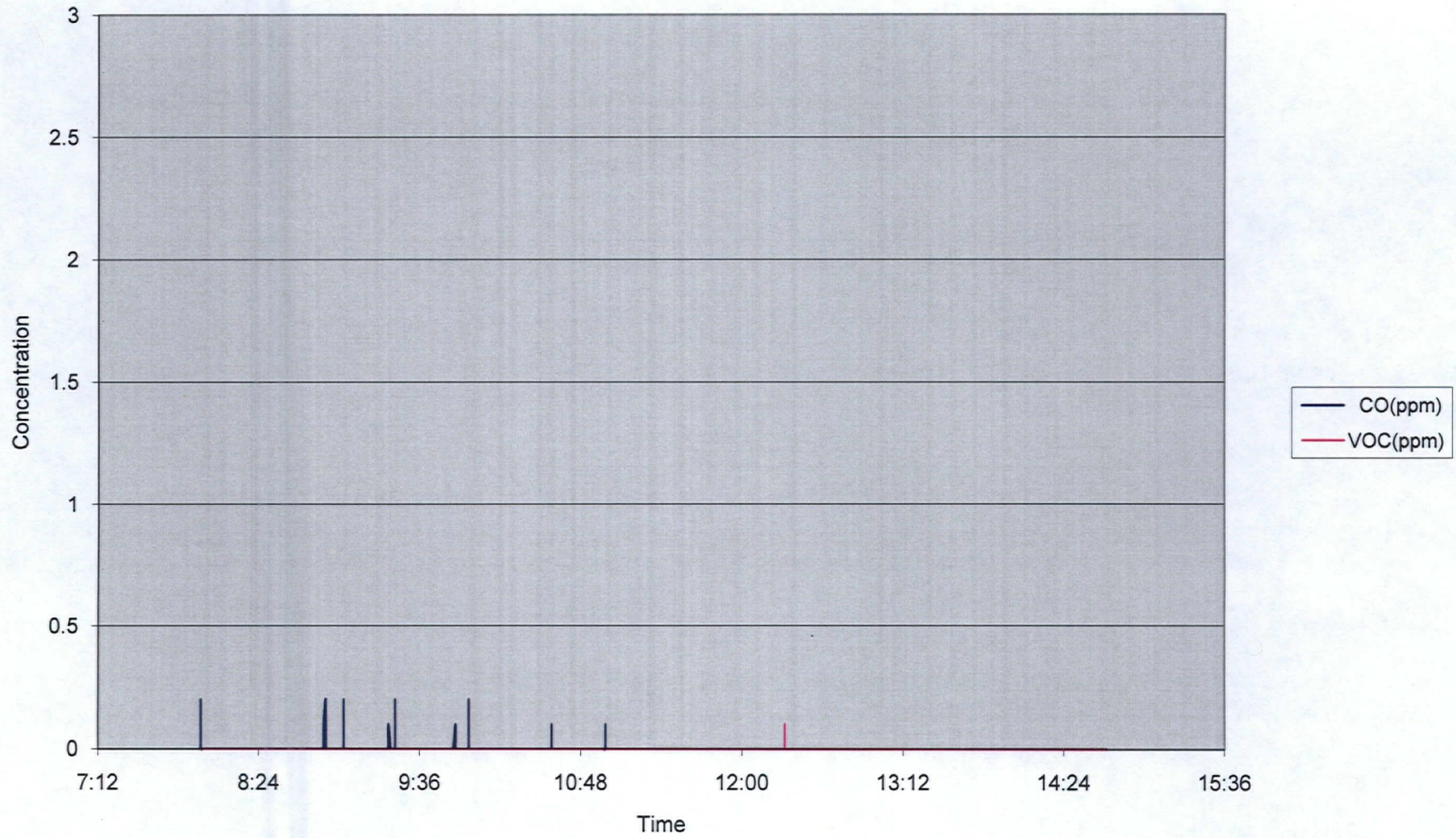
ATTACHMENT II

Graphs of AreaRAE Air Monitoring Data

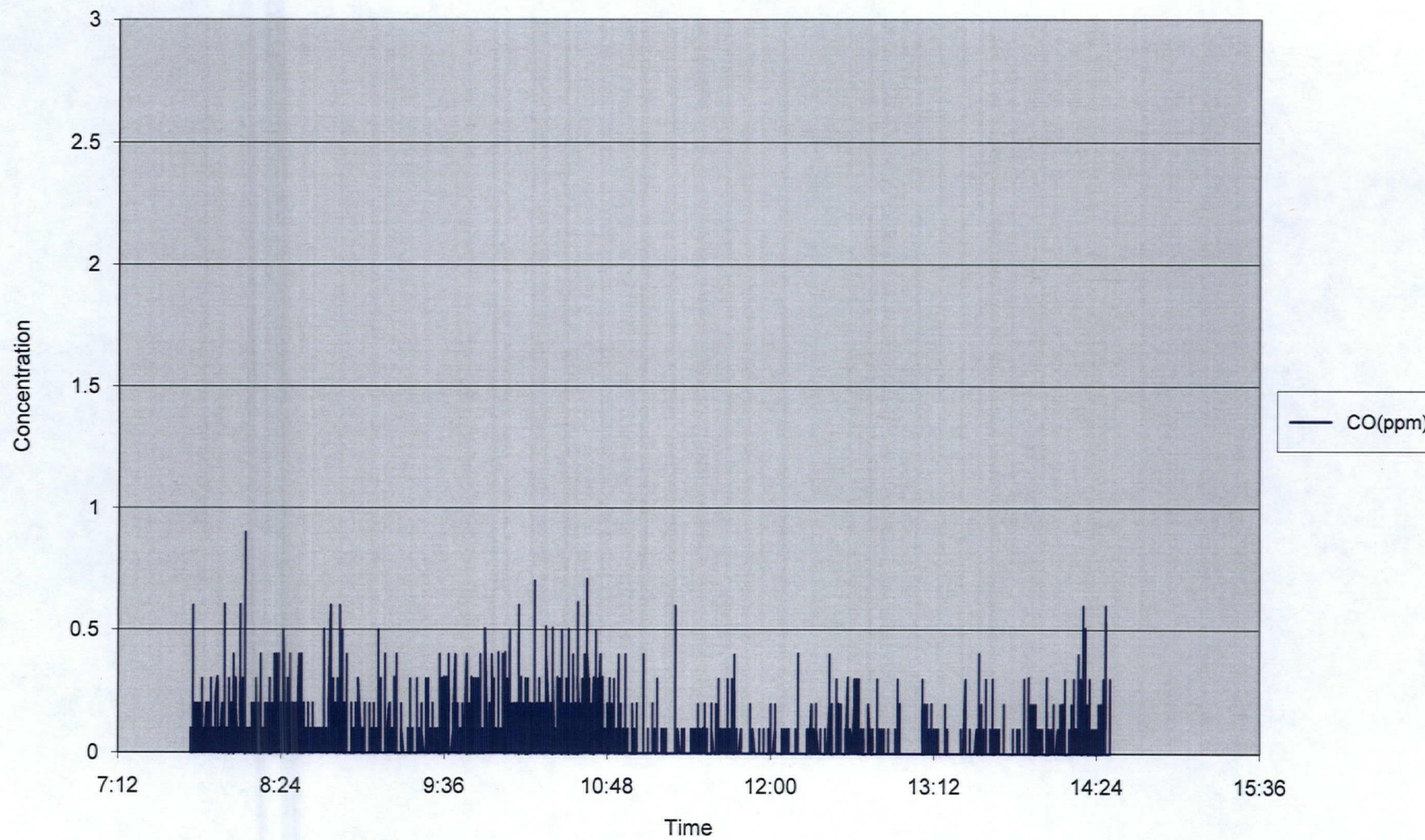
Heller Heat Treating Site
AreaRAE Data April 30, 2009 - Unit # 1



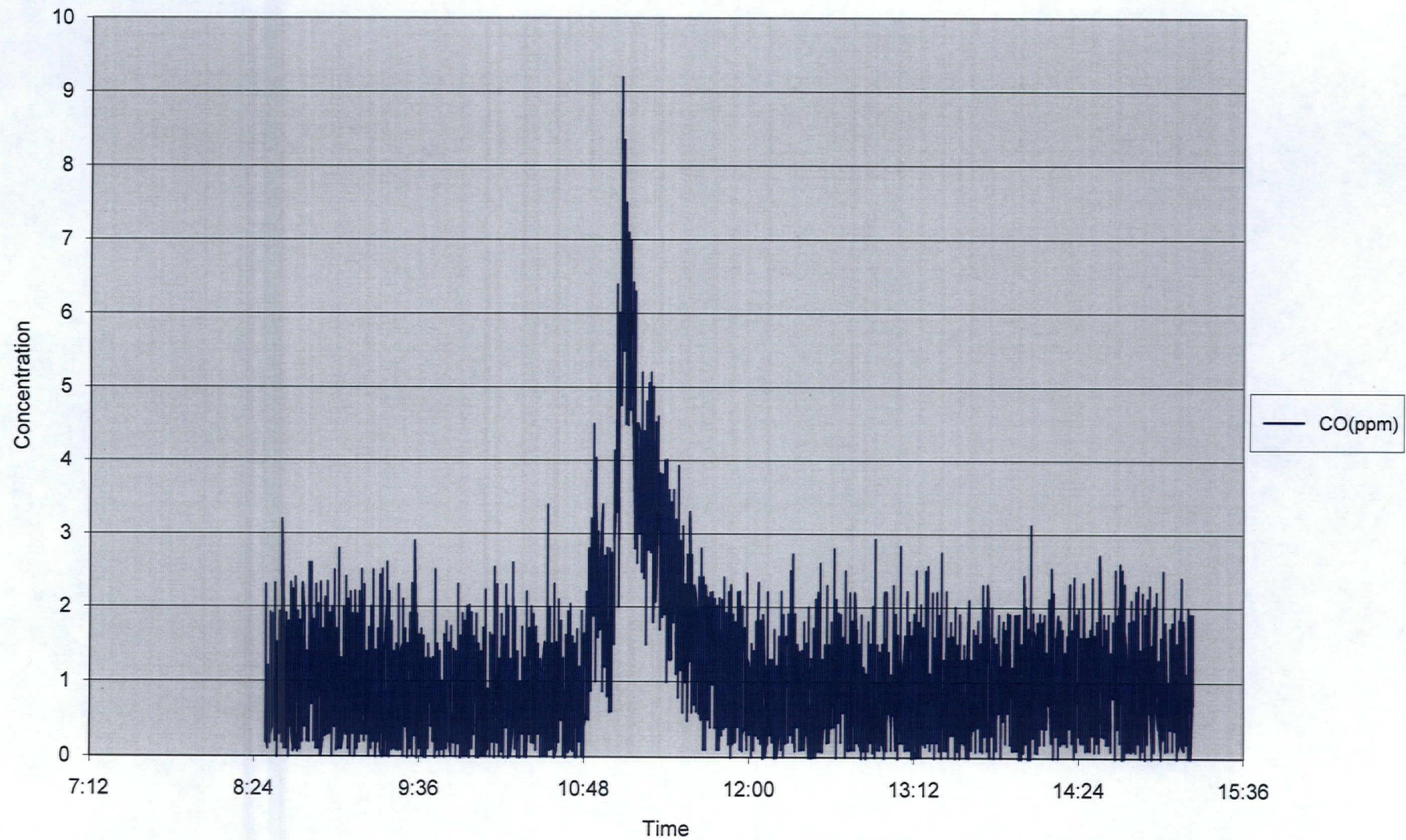
Heller Heat Treating Site
AreaRAE Data April 30, 2009 - Unit #2



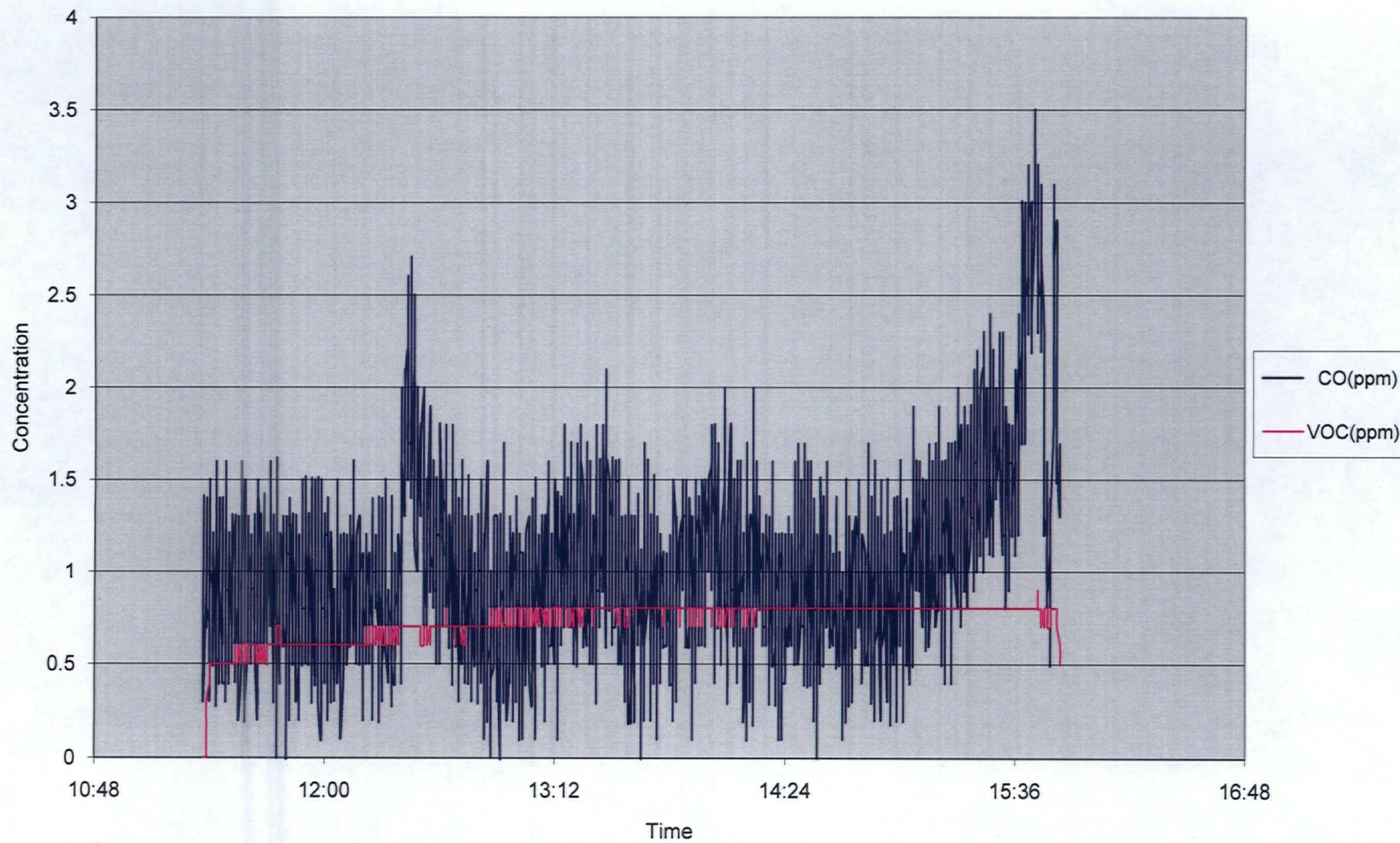
Heller Heat Treating Site
AreaRAE Data April 30, 2009 - Unit #3



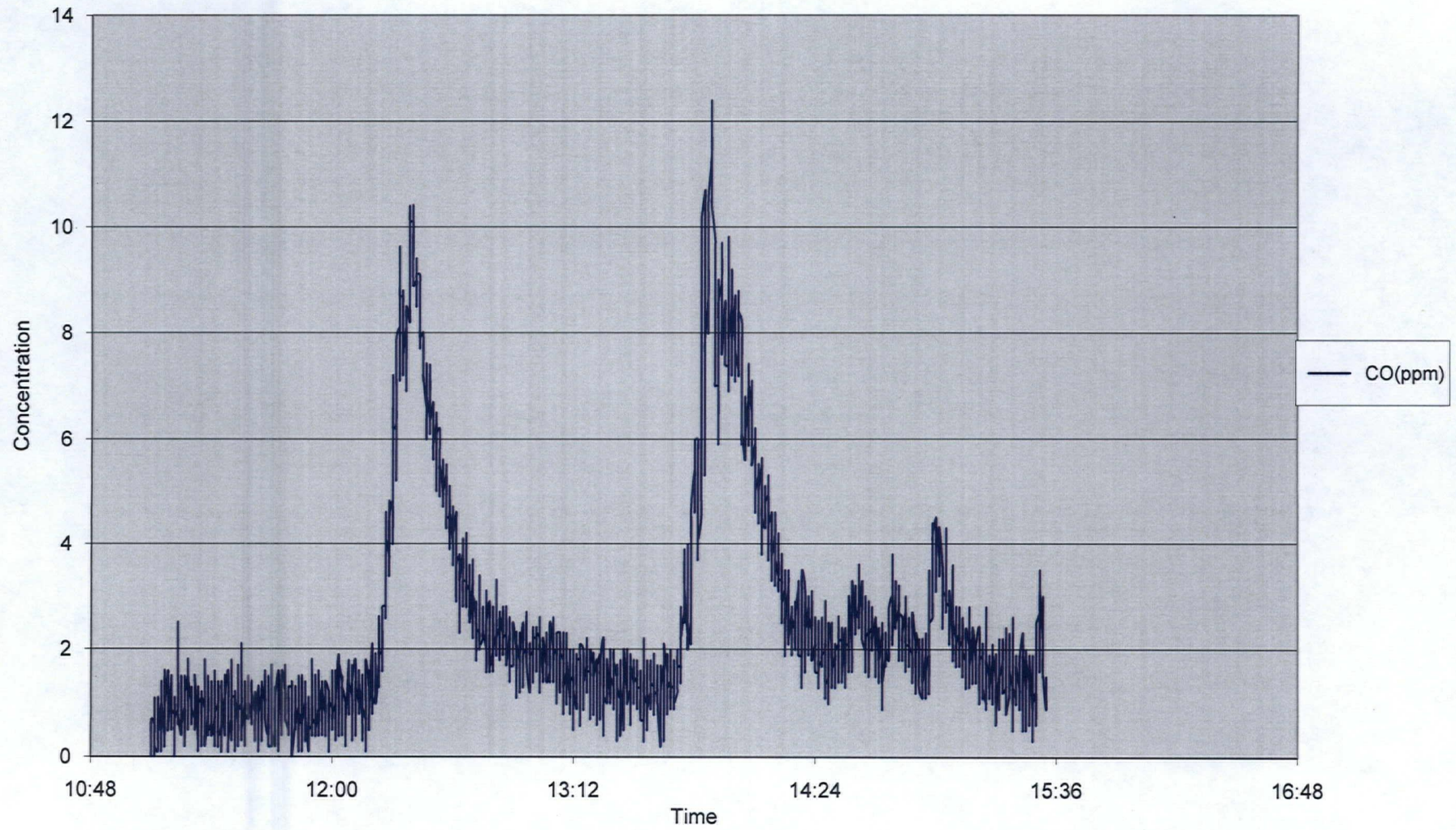
Heller Heat Treating Site
AreaRAE Data April 30, 2009 - Unit #4



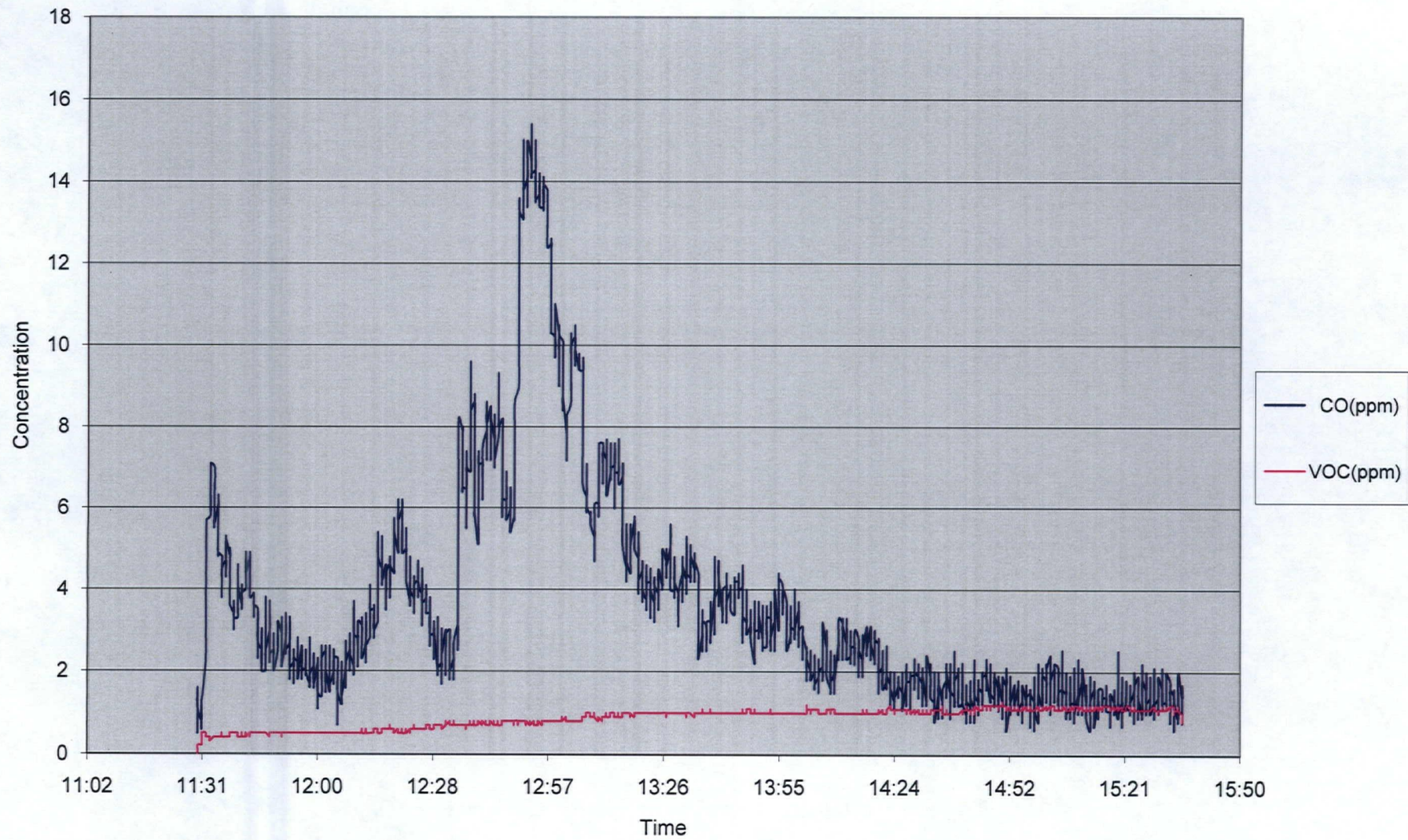
Heller Heat Treating Site
AreaRAE Data May 1, 2009 - Unit #1



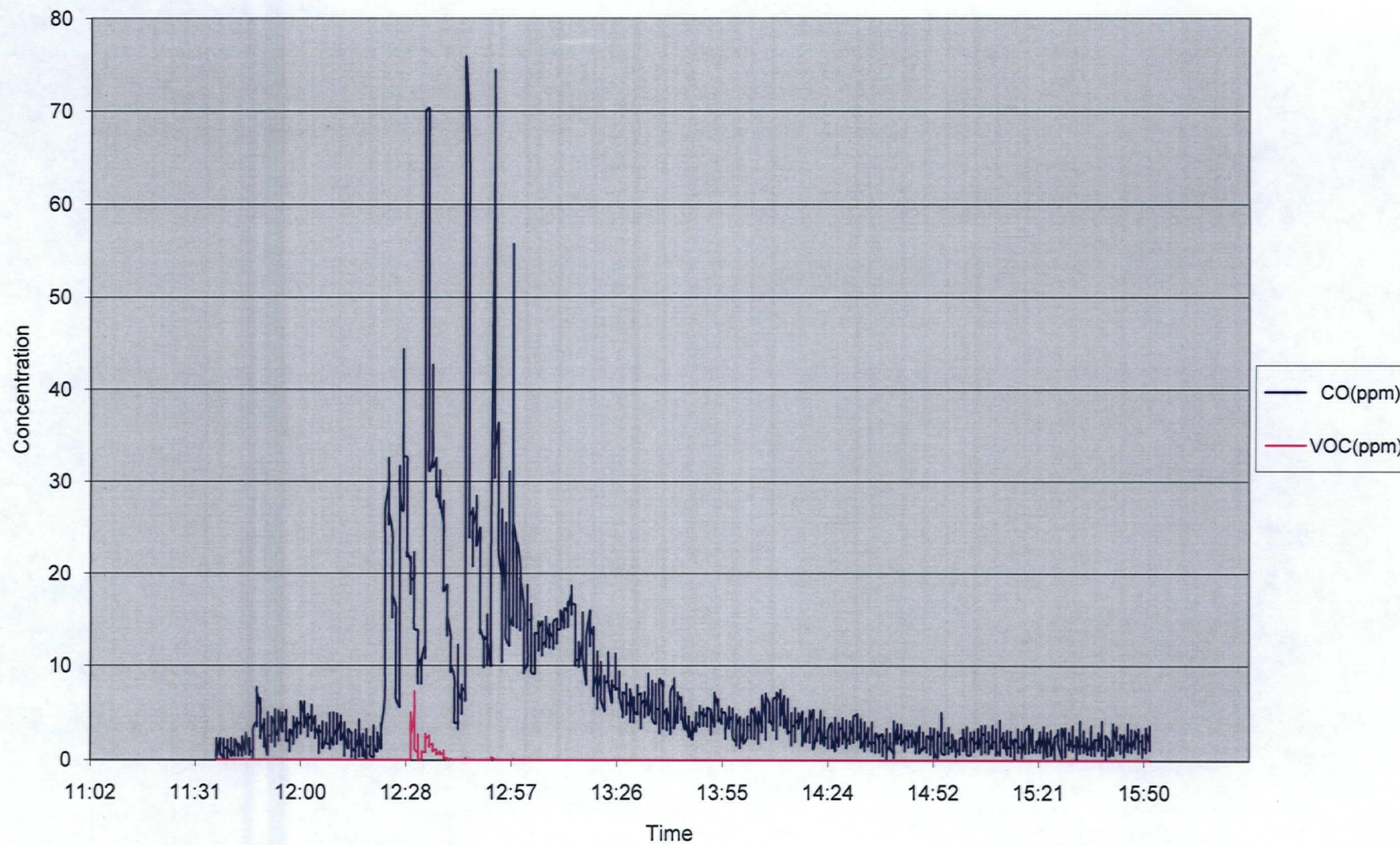
Heller Heat Treating Site
AreaRAE Data May 1, 2009 - Unit #2



Heller Heat Treating Site
AreaRAE Data May 1, 2009- Unit #3



Heller Heat Treating Site
AreaRAE Data May 1, 2009- Unit #4



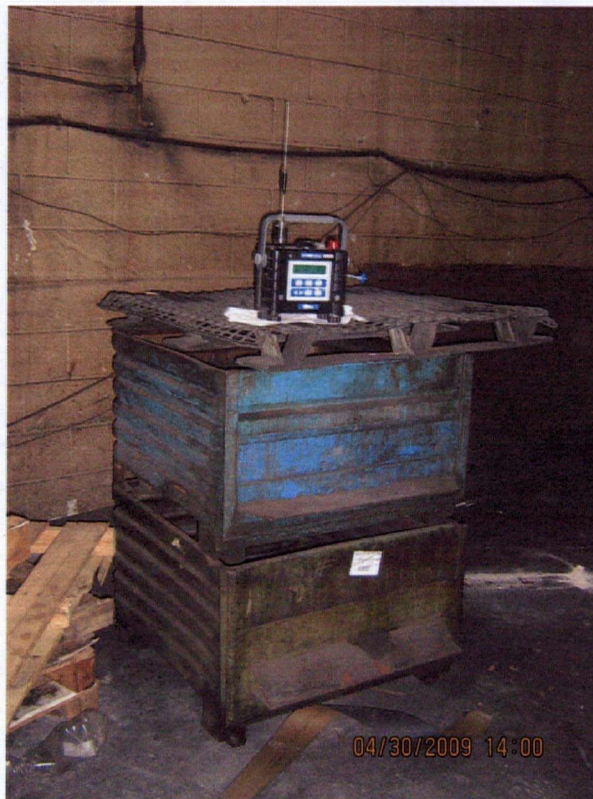
ATTACHMENT III

Photographic Documentation of Site Activities

Heller Heat Treating
April 30, 2009 and May 1, 2009



Photograph 1 (April 30, 2009): Auctioneers begin selling the vehicles on-site.

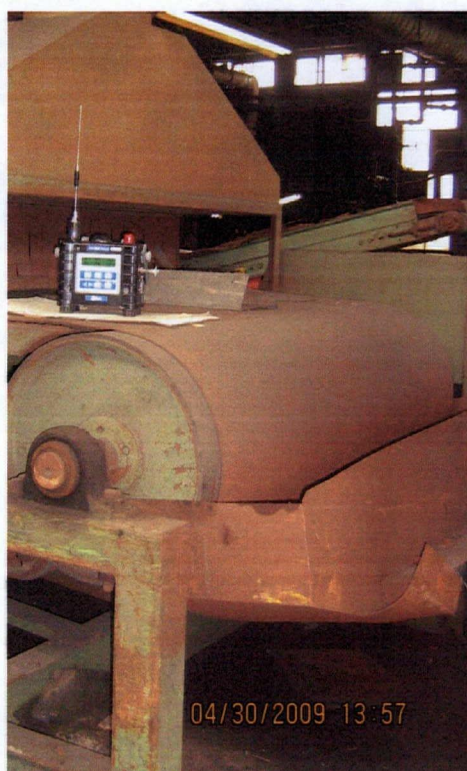


Photograph 2 (April 30, 2009): AreaRAE #1 positioned at Location A.

Heller Heat Treating
April 30, 2009 and May 1, 2009



Photograph 3 (April 30, 2009): AreaRAE #2 positioned at Location B.



Photograph 4 (April 30, 2009): AreaRAE #3 positioned at Location C.

Heller Heat Treating
April 30, 2009 and May 1, 2009



Photograph 5 (April 30, 2009): AreaRAE #4 positioned at Location D.



Photograph 6 (April 30, 2009): View inside of the Site premises near Location D.

Heller Heat Treating
April 30, 2009 and May 1, 2009

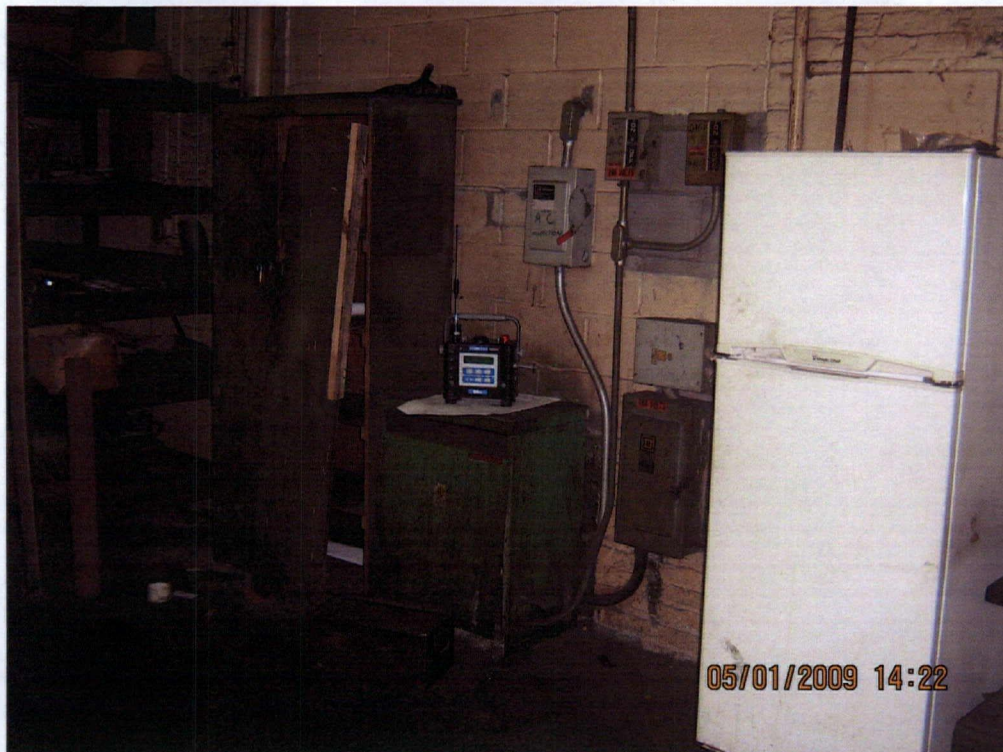


Photograph 7 (April 30, 2009): Chemical drums and totes stacked near Location C.



Photograph 8 (April 30, 2009): Drum of sodium cyanide.

Heller Heat Treating
April 30, 2009 and May 1, 2009



Photograph 9 (May 1, 2009): AreaRAE #1 positioned at Location B.



Photograph 10 (May 1, 2009): AreaRAE #2 positioned at Location A.

Heller Heat Treating
April 30, 2009 and May 1, 2009



Photograph 11 (May 1, 2009): Stacked chemical drums near Location A.



Photograph 12 (May 1, 2009): Items tagged for sale by the auctioneers inside of the building.

Heller Heat Treating
April 30, 2009 and May 1, 2009



Photograph 13 (May 1, 2009): AreaRAE #3 at Location D.



Photograph 14 (May 1, 2009): AreaRAE #4 at Location C.